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Specification No. 53-A-1012-B

ORIGINAL CL BY 235979
☐ DECL ☒ REVW ON 2010
EXT BYND 6 YRS BY SAME
REASON 3 2 (3)

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JUST	<u>22</u>	NEXT REV	<u>2010</u>	AUTH:	HR 10-2

HAND GENERATOR

GN-58-M

May 15, 1953

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1. GENERAL

1.1. Purpose of the Specification

The purpose of the specification is to set forth the mechanical design requirements necessary to affect an equipment modification of the GN-58 hand generator.

1.2. Purpose of the Modification

The purpose of the GN-58 modification is to facilitate smaller packaging of the equipment for ease in manual, or other, transport.

1.3. Nomenclature

GN-58 hand generators modified in accordance with the requirements of this specification shall be assigned new nomenclature as GN-58-M, and shall be so identified.

2. EQUIPMENT MODIFICATION

2.1. Principal Parts of the GN-58

The principal parts comprising the GN-58 are a hand operated generator, two cranks, one combination leg (LG-2-A) and seat, and two legs (LG-3-B).

2.2. Modification of Parts

The principal parts requiring modification are the two legs (LG-3-B) and the combination leg and seat (LG-2-A). The generator and two cranks require no modification.

2.2.1. Legs - Each leg (LG-3-B) shall be modified in accordance with Government Drawing No. 2043-1 which shall be a part of the specification.

2.2.2. Leg and Seat - The combination leg and seat (LG-2-A) shall be modified in accordance with Government Drawing No. 2043-2 which shall be a part of the specification.

3. QUALITY OF FABRICATION

3.1. Selection of Metals

3.1.1. Inserts - The inserts shall be fabricated from aluminum alloy.

3.1.2. Components - Components requiring fabrication, other than the inserts, paragraph 3.1.2. above, shall be cadmium plated steel.

3.2. Finish

3.2.1. Burring - All edges and holes machined during modification shall be properly burred.

3.2.2. Anti-rust - The inserts and components shall have a finish capable of resisting corrosion and preventing galvanic action.

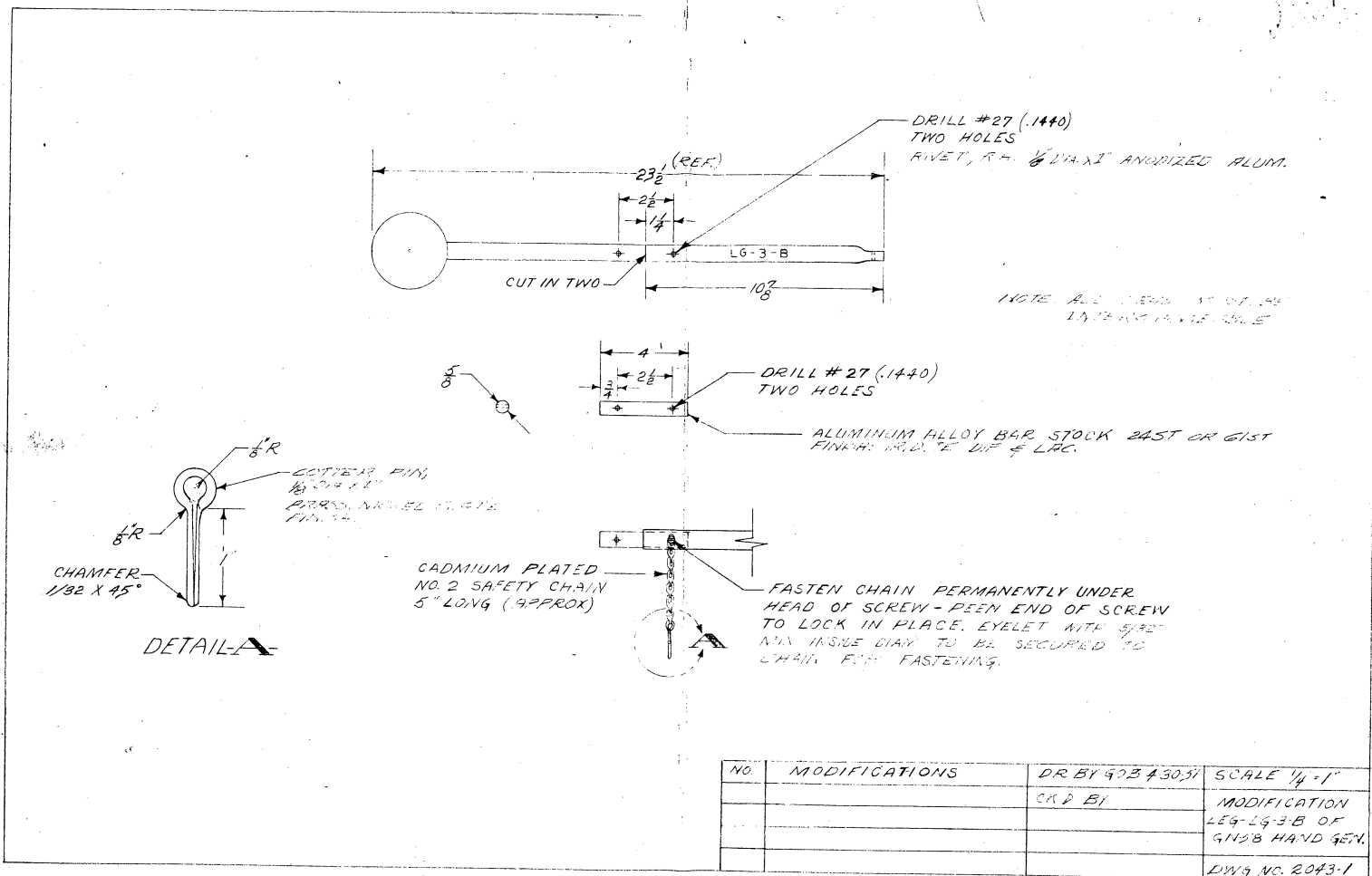
3.2.3. Paint - All exterior surfaces shall be spray painted with matching Q-D paint in such a manner that no base material shall be exposed when the legs are assembled.

3.2.4. Workmanship - All manufactured parts shall be of good quality workmanship, and inspection standards shall be maintained to determine quality and adherence to manufacturing tolerances.

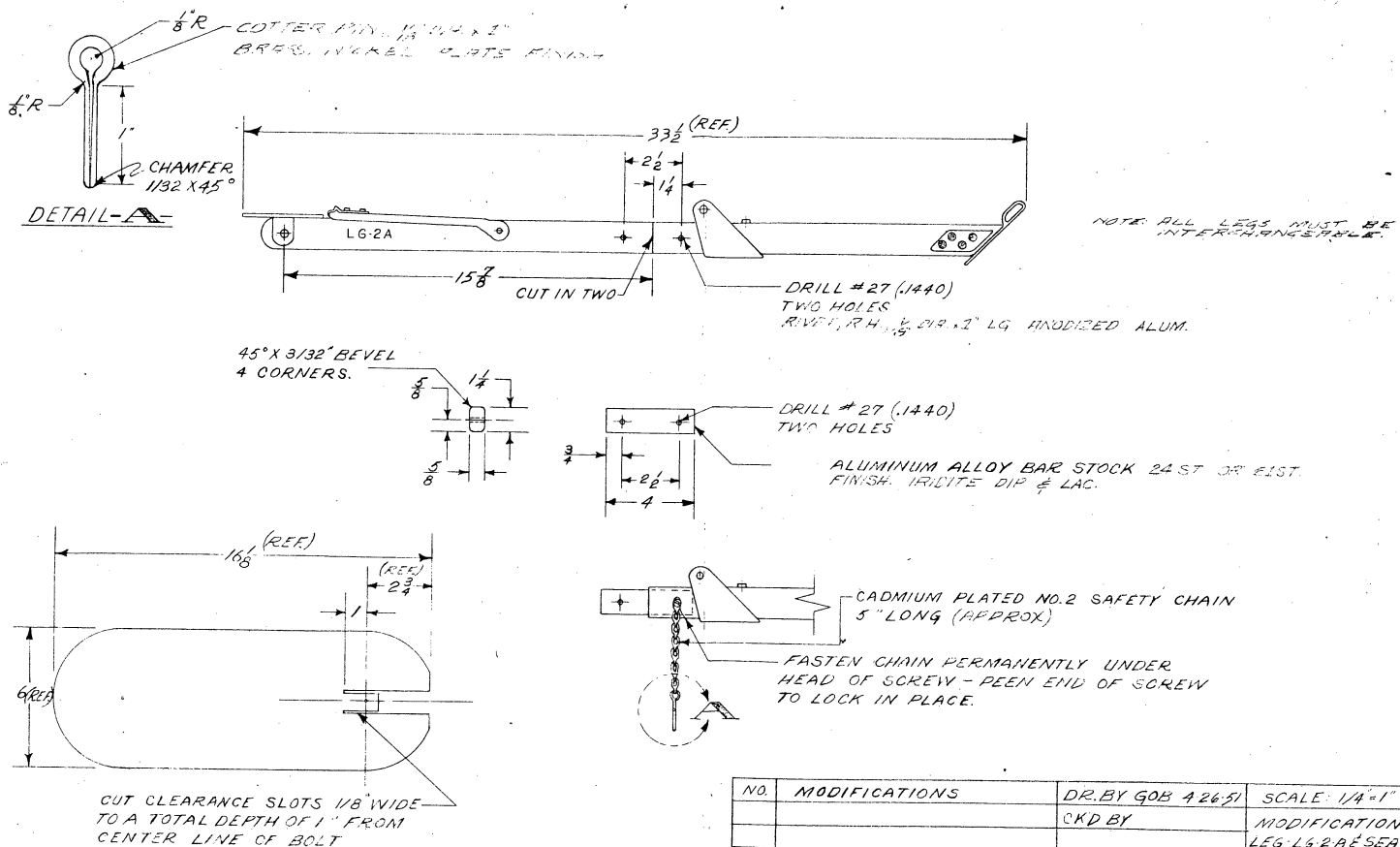
3.2.5. Parts Interchangeability - Proper clearances shall be maintained on mating parts to allow free fits without excessive play and to allow interchangeability among all inserts, legs, and component parts. LG-3-B shall be allowed to rotate 180 degrees and still have easy insertion of a locking pin.

4. TESTS

Inspection of the units for workmanship, quality of materials, adherence to specifications, and tolerances shall be made by Navy Inspectors, or Government Engineers as directed by the Contracting Officer.



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NO.	MODIFICATIONS	DR. BY	SCALE: 1/4"=1"
		GOS #26-91	
		CKD BY	
			MODIFICATION
			LEG LG-2A SEAT
			OF GN 38 HAND GEN.
			DWG NO. 2043-2